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## RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/09/851,586A

TIME: 14:49:38

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07102002\I851586A.raw

3 &lt;110&gt; APPLICANT: MILLHAUSER, GLENN

4 THOMPSON, DARREN

5 BOLIN, KIMBERLEY

6 ANDERSON, JOE

7 MCNULTY, JOSEPH

9 &lt;120&gt; TITLE OF INVENTION: METHODS AND COMPOUNDS FOR MODULATING MELANOCORTIN RECEPTOR

## LIGAND BINDING

10 AND ACTIVITY

12 &lt;130&gt; FILE REFERENCE: 407t-980910US

C--&gt; 14 &lt;140&gt; CURRENT APPLICATION NUMBER: US/09/851,586A

C--&gt; 14 &lt;141&gt; CURRENT FILING DATE: 2002-06-25

14 &lt;150&gt; PRIOR APPLICATION NUMBER: PCT/US99/25201

15 &lt;151&gt; PRIOR FILING DATE: 1999-10-27

17 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/203,271

18 &lt;151&gt; PRIOR FILING DATE: 2000-05-09

20 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/226,047

21 &lt;151&gt; PRIOR FILING DATE: 2000-08-16

23 &lt;160&gt; NUMBER OF SEQ ID NOS: 54

25 &lt;170&gt; SOFTWARE: PatentIn version 3.0

27 &lt;210&gt; SEQ ID NO: 1

28 &lt;211&gt; LENGTH: 132

29 &lt;212&gt; TYPE: PRT

30 &lt;213&gt; ORGANISM: Homo sapiens

32 &lt;400&gt; SEQUENCE: 1

34 Met Leu Thr Ala Ala Val Leu Ser Cys Ala Leu Leu Leu Ala Leu Pro

35 1 5 10 15

37 Ala Thr Arg Gly Ala Gln Met Gly Leu Ala Pro Met Glu Gly Ile Arg

38 20 25 30

40 Arg Pro Asp Gln Ala Leu Leu Pro Glu Leu Pro Gly Leu Gly Leu Arg

41 35 40 45

43 Ala Pro Leu Lys Lys Thr Thr Ala Glu Gln Ala Glu Glu Asp Leu Leu

44 50 55 60

46 Gln Glu Ala Gln Ala Leu Ala Glu Val Leu Asp Leu Gln Asp Arg Glu

47 65 70 75 80

49 Pro Arg Ser Ser Arg Arg Cys Val Arg Leu His Glu Ser Cys Leu Gly

50 85 90 95

52 Gln Gln Val Pro Cys Cys Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe

53 100 105 110

55 Phe Asn Ala Phe Cys Tyr Cys Arg Lys Leu Gly Thr Ala Met Asn Pro

56 115 120 125

58 Cys Ser Arg Thr

59 130

61 &lt;210&gt; SEQ ID NO: 2

62 &lt;211&gt; LENGTH: 46

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```

63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 2
68 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
69 1 5 10 15
71 Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr
72 20 25 30
74 Cys Arg Lys Leu Gly Thr Ala Met Asn Pro Cys Ser Arg Thr
75 35 40 45
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 33
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 3
84 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
85 1 5 10 15
87 Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr
88 20 25 30
90 Cys
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 34
95 <212> TYPE: PRT
C--> 96 <213> ORGANISM: Artificial
98 <220> FEATURE:
99 <223> OTHER INFORMATION: synthetic mini-AGRP
101 <400> SEQUENCE: 4
103 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
104 1 5 10 15
106 Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr
107 20 25 30
109 Cys Arg
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 34
114 <212> TYPE: PRT
C--> 115 <213> ORGANISM: Artificial
117 <220> FEATURE:
118 <223> OTHER INFORMATION: synthetic AGRP fragment
120 <220> FEATURE:
121 <221> NAME/KEY: MOD_RES
122 <222> LOCATION: (1)..(1)
123 <223> OTHER INFORMATION: C blocked with acetyl
124 <220> FEATURE:
127 <221> NAME/KEY: MOD_RES
128 <222> LOCATION: (34)..(34)
129 <223> OTHER INFORMATION: R blocked with amino
132 <400> SEQUENCE: 5
134 Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys
135 1 5 10 15
137 Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr

```

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```

138          20          25          30
140 Cys Arg
143 <210> SEQ ID NO: 6
144 <211> LENGTH: 6
145 <212> TYPE: PRT
C--> 146 <213> ORGANISM: artificial
148 <220> FEATURE:
149 <223> OTHER INFORMATION: AGRP fragment
151 <400> SEQUENCE: 6
153 Val Arg Leu His Glu Ser
154 1      5
156 <210> SEQ ID NO: 7
157 <211> LENGTH: 6
158 <212> TYPE: PRT
C--> 159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: AGRP fragment
164 <400> SEQUENCE: 7
166 Leu Gly Gln Gln Val Pro
167 1      5
169 <210> SEQ ID NO: 8
170 <211> LENGTH: 3
171 <212> TYPE: PRT
C--> 172 <213> ORGANISM: Artificial
174 <220> FEATURE:
175 <223> OTHER INFORMATION: AGRP fragment
177 <400> SEQUENCE: 8
179 Arg Phe Phe
180 1
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 34
184 <212> TYPE: PRT
C--> 185 <213> ORGANISM: Artificial
187 <220> FEATURE:
188 <223> OTHER INFORMATION: AGRP fragment
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <223> OTHER INFORMATION: Xaa is any amino acid
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (34)..(34)
198 <223> OTHER INFORMATION: R is optional
201 <400> SEQUENCE: 9
W--> 203 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys
204 1      5      10      15
W--> 206 Asp Pro Xaa Ala Thr Cys Tyr Cys Xaa Xaa Xaa Asn Ala Phe Cys Tyr
207      20      25      30
209 Cys Arg
212 <210> SEQ ID NO: 10

```

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Input Set : A:\PTO.VSK.txt

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```
213 <211> LENGTH: 6
214 <212> TYPE: PRT
C--> 215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: AGRP fragment
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <223> OTHER INFORMATION: Xaa is any amino acid
225 <400> SEQUENCE: 10
W--> 227 Xaa Xaa Xaa Xaa Xaa Xaa
228 1 5
230 <210> SEQ ID NO: 11
231 <211> LENGTH: 6
232 <212> TYPE: PRT
C--> 233 <213> ORGANISM: Artificial
235 <220> FEATURE:
236 <223> OTHER INFORMATION: AGRP fragment
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <223> OTHER INFORMATION: Xaa is any amino acid
243 <400> SEQUENCE: 11
W--> 245 Val Xaa Xaa Xaa Xaa Xaa
246 1 5
248 <210> SEQ ID NO: 12
249 <211> LENGTH: 6
250 <212> TYPE: PRT
C--> 251 <213> ORGANISM: Artificial
253 <220> FEATURE:
254 <223> OTHER INFORMATION: AGRP fragment
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <223> OTHER INFORMATION: Xaa is any amino acid
261 <400> SEQUENCE: 12
W--> 263 Xaa Arg Xaa Xaa Xaa Xaa
264 1 5
266 <210> SEQ ID NO: 13
267 <211> LENGTH: 6
268 <212> TYPE: PRT
C--> 269 <213> ORGANISM: Artificial
271 <220> FEATURE:
272 <223> OTHER INFORMATION: AGRP fragment
274 <220> FEATURE:
275 <221> NAME/KEY: misc_feature
276 <223> OTHER INFORMATION: Xaa is any amino acid
279 <400> SEQUENCE: 13
W--> 281 Xaa Xaa Leu Xaa Xaa Xaa
282 1 5
284 <210> SEQ ID NO: 14
285 <211> LENGTH: 6
```

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Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07102002\I851586A.raw

286 <212> TYPE: PRT  
C--> 287 <213> ORGANISM: Artificial  
288 <220> FEATURE:  
289 <223> OTHER INFORMATION: AGRP fragment  
290 <220> FEATURE:  
291 <221> NAME/KEY: misc\_feature  
292 <223> OTHER INFORMATION: Xaa is any amino acid  
293 <400> SEQUENCE: 14  
W--> 299 Xaa Xaa Xaa His Xaa Xaa  
300 1 5  
301 <210> SEQ ID NO: 15  
302 <211> LENGTH: 6  
303 <212> TYPE: PRT  
C--> 305 <213> ORGANISM: Artificial  
306 <220> FEATURE:  
307 <223> OTHER INFORMATION: AGRP fragment  
308 <220> FEATURE:  
309 <221> NAME/KEY: misc\_feature  
310 <223> OTHER INFORMATION: Xaa is any amino acid  
311 <400> SEQUENCE: 15  
W--> 317 Xaa Xaa Xaa Xaa Xaa Ser  
318 1 5  
319 <210> SEQ ID NO: 16  
320 <211> LENGTH: 6  
321 <212> TYPE: PRT  
C--> 323 <213> ORGANISM: Artificial  
324 <220> FEATURE:  
325 <223> OTHER INFORMATION: AGRP fragment  
326 <220> FEATURE:  
327 <221> NAME/KEY: misc\_feature  
328 <223> OTHER INFORMATION: Xaa is any amino acid  
329 <400> SEQUENCE: 16  
W--> 335 Val Arg Xaa Xaa Xaa Xaa  
336 1 5  
337 <210> SEQ ID NO: 17  
338 <211> LENGTH: 6  
339 <212> TYPE: PRT  
C--> 341 <213> ORGANISM: Artificial  
342 <220> FEATURE:  
343 <223> OTHER INFORMATION: AGRP fragment  
344 <220> FEATURE:  
345 <221> NAME/KEY: misc\_feature  
346 <223> OTHER INFORMATION: Xaa is any amino acid  
347 <400> SEQUENCE: 17  
W--> 353 Val Xaa Leu Xaa Xaa Xaa  
354 1 5  
355 <210> SEQ ID NO: 18  
356 <211> LENGTH: 6  
357 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/851,586A

DATE: 07/10/2002  
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Input Set : A:\PTO.VSK.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9. Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,19,25,26,27

Seq#:10; Xaa Pos. 1,2,3,4,5,6

Seq#:11; Xaa Pos. 2,3,4,5,6

Seq#:12; Xaa Pos. 1,3,4,5,6

Seq#:13; Xaa Pos. 1,2,4,5,6

Seq#:14; Xaa Pos. 1,2,3,5,6

Seq#:15; Xaa Pos. 1,2,3,4,5

Seq#:16; Xaa Pos. 3,4,5,6

Seq#:17; Xaa Pos. 2,4,5,6

Seq#:18; Xaa Pos. 2,3,5,6

Seq#:19; Xaa Pos. 2,3,4,6

Seq#:20; Xaa Pos. 2,3,4,5

Seq#:21; Xaa Pos. 1,4,5,6

Seq#:22; Xaa Pos. 1,3,5,6

Seq#:23; Xaa Pos. 1,3,4,6

Seq#:24; Xaa Pos. 1,3,4,5

Seq#:25; Xaa Pos. 1,2,5,6

Seq#:26; Xaa Pos. 1,2,4,5,6

Seq#:27; Xaa Pos. 1,2,4,6

Seq#:28; Xaa Pos. 1,2,4,5

Seq#:29; Xaa Pos. 1,2,3,6

Seq#:30; Xaa Pos. 1,2,3,5

Seq#:31; Xaa Pos. 1,2,3,4

Seq#:32; Xaa Pos. 4,5,6

Seq#:33; Xaa Pos. 2,5,6

Seq#:35; Xaa Pos. 1,2,3,4,5,6

Seq#:37; Xaa Pos. 2,3,4,5,6

Seq#:38; Xaa Pos. 1,3,4,5,6

Seq#:39; Xaa Pos. 1,2,4,5,6

Seq#:40; Xaa Pos. 1,2,3,5,6

Seq#:41; Xaa Pos. 1,2,3,4,6

Seq#:42; Xaa Pos. 1,2,3,4,5

Seq#:43; Xaa Pos. 3,4,5,6

Seq#:44; Xaa Pos. 2,4,5,6

Seq#:45; Xaa Pos. 2,3,5,6

Seq#:46; Xaa Pos. 2,3,4,6

Seq#:47; Xaa Pos. 2,3,4,5

Seq#:48; Xaa Pos. 4,5,6

Seq#:49; Xaa Pos. 2,3

Seq#:50; Xaa Pos. 1,3

Seq#:51; Xaa Pos. 3

Seq#:52; Xaa Pos. 2

Seq#:53; Xaa Pos. 1

RAW SEQUENCE LISTING ERROR SUMMARY  
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**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 9

**Invalid <213> Response:**

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

Seq#:30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53

Seq#:54

## VARIABLE LOCATION SUMMARY

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## Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,19,25,26,27

Seq#:10; Xaa Pos. 1,2,3,4,5,6

Seq#:11; Xaa Pos. 2,3,4,5,6

Seq#:12; Xaa Pos. 1,3,4,5,6

Seq#:13; Xaa Pos. 1,2,4,5,6

Seq#:14; Xaa Pos. 1,2,3,5,6

Seq#:15; Xaa Pos. 1,2,3,4,5

Seq#:16; Xaa Pos. 3,4,5,6

Seq#:17; Xaa Pos. 2,4,5,6

Seq#:18; Xaa Pos. 3,3,5,6

Seq#:19; Xaa Pos. 3,3,4,6

Seq#:20; Xaa Pos. 2,3,4,5

Seq#:21; Xaa Pos. 1,4,5,6

Seq#:22; Xaa Pos. 1,3,5,6

Seq#:23; Xaa Pos. 1,3,4,6

Seq#:24; Xaa Pos. 1,3,4,5

Seq#:25; Xaa Pos. 1,2,5,6

Seq#:26; Xaa Pos. 1,2,4,5,6

Seq#:27; Xaa Pos. 1,2,4,6

Seq#:28; Xaa Pos. 1,2,4,5

Seq#:29; Xaa Pos. 1,2,3,6

Seq#:30; Xaa Pos. 1,2,3,5

Seq#:31; Xaa Pos. 1,2,3,4

Seq#:32; Xaa Pos. 4,5,6

Seq#:33; Xaa Pos. 2,5,6

Seq#:35; Xaa Pos. 1,2,3,4,5,6

Seq#:37; Xaa Pos. 2,3,4,5,6

Seq#:38; Xaa Pos. 1,3,4,5,6

Seq#:39; Xaa Pos. 1,2,4,5,6

Seq#:40; Xaa Pos. 1,2,3,5,6

Seq#:41; Xaa Pos. 1,2,3,4,6

Seq#:42; Xaa Pos. 1,2,3,4,5

Seq#:43; Xaa Pos. 3,4,5,6

Seq#:44; Xaa Pos. 2,4,5,6

Seq#:45; Xaa Pos. 2,3,5,6

Seq#:46; Xaa Pos. 2,3,4,6

Seq#:47; Xaa Pos. 2,3,4,5

Seq#:48; Xaa Pos. 4,5,6

Seq#:49; Xaa Pos. 2,3

Seq#:50; Xaa Pos. 1,3

Seq#:51; Xaa Pos. 3

Seq#:52; Xaa Pos. 2

Seq#:53; Xaa Pos. 1



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Input Set : A:\PTO.VSK.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:96 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:115 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:146 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6  
L:159 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
L:172 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8  
L:185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16  
L:215 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10  
L:227 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:233 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11  
L:245 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:251 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
L:263 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12  
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:269 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
L:281 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13  
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:287 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
L:299 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14  
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:305 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15  
L:317 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15  
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:323 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16  
L:335 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:341 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17  
L:353 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17  
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:359 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18  
L:371 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18  
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:377 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19  
L:389 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19  
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:395 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20  
L:407 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20  
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:413 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21  
L:425 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21  
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:431 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22  
L:443 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22

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Input Set : A:\PTO.VSK.txt

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L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:449 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23  
L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23  
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:467 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24  
L:479 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24  
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:485 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25  
L:497 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25  
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:503 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26  
L:515 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:26  
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:521 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27  
L:533 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27  
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:539 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28  
L:551 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28  
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:557 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29  
L:569 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29  
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:575 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30  
L:587 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:593 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31  
L:605 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31  
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:611 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32  
L:623 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32  
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:629 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33  
L:641 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33  
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:647 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34  
L:665 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35  
L:677 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35  
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:683 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:36  
L:701 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:37  
L:713 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37  
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:719 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38  
L:731 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38  
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:737 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39  
L:749 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:39  
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:755 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40

## VERIFICATION SUMMARY

DATE: 07/10/2002

PATENT APPLICATION: US/09/851,586A

TIME: 14:49:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07102002\I851586A.raw

L:767 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:40  
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:773 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41  
L:785 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41  
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:791 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42  
L:803 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:42  
L:803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:809 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43  
L:821 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:43  
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:827 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44  
L:839 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:44  
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:845 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45  
L:857 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:45  
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:863 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46  
L:875 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:46  
L:875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:881 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47  
L:893 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47  
L:893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:899 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48  
L:911 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48  
L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:917 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:49  
L:929 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49  
L:929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:935 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50  
L:947 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:50  
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0  
L:953 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51  
L:965 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51  
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
L:971 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52  
L:983 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52  
L:983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0  
L:989 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:53  
L:1001 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:53  
L:1001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0